



BUNDIBUGYO DISTRICT ACADEMIC BOARD
PRIMARY LEAVING EXAMINATION MOCK 2024
MATHEMATICS

Time allowed: 2hrs, 30 minutes

Index No:

| Random No. | | | | | | Personal No. | | |
|------------|--|--|--|--|--|--------------|--|--|
| | | | | | | | | |

Candidate's name:

Candidate's signature:

School Name: Sub-county

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO
READ THE FOLLOWING INSTRUCTIONS CAREFULLY

1. This paper is made up of two sections: A and B.
2. Section A has 20 questions (40 marks) and Section B has 12 questions (60 marks).
4. All answers **MUST** be written using a blue or black ball point pen or ink, only diagrams should be drawn using a pencil.
5. Unnecessary alteration of work will lead to loss of marks.
6. Any handwriting that cannot easily be read may lead to loss of marks.
7. Do not fill anything in the table indicated "for Examiner's use only." and boxes inside the paper
8. The use of electronic calculators and Mathematical tables are not allowed.

FOR EXAMINER'S USE ONLY

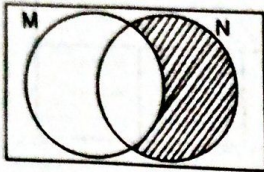
| Qn. No. | Marks | Examiner's Name |
|---------|-------|-----------------|
| 1 - 7 | | |
| 8 - 14 | | |
| 15 - 20 | | |
| 21 - 22 | | |
| 23 - 24 | | |
| 25 - 26 | | |
| 27 - 28 | | |
| 29 - 30 | | |
| 31 - 32 | | |
| TOTAL | | |

SECTION A



1. Work out: $105 \div 3$

2. Write 2049 in Roman numerals

3. Describe the shaded region on the Venn diagram below

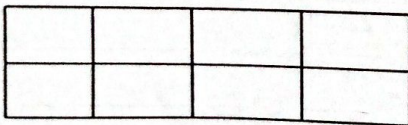


4. Work out $+4 - +5$

5. Given that  represents 8 balls. How many balls are represented by 

6. Find the next two numbers in the sequence -6, -4, -2, 0, 2 _____, _____

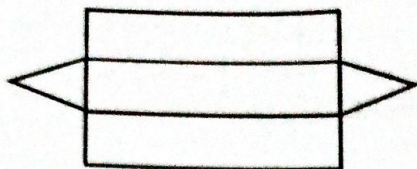
7. In the diagram below, shade 75%



8. Expand 134.7 using values

9. The cost of 5 books is shs. 25,000. How many books will Joel buy if he has shs. 15,000

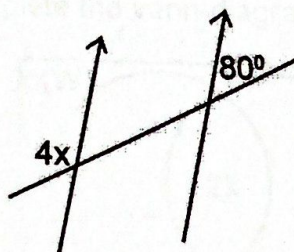
10. Name the solid figure whose net is shown below



11. In a class, the ratio of girls to boys is 3:2. There are 60 boys. How many girls are in the class?

12. Change 2106 hours to the 12hour clock system

13. Find the value of x in degrees



14. Subtract $x-y$ from $3x-2y$

15. Kyalimpa withdrew a bundle of bank notes of one thousand shillings from xy00440 to xy00539. How much did he withdraw from the bank?



16. In a box of pens, 4 are red and 6 are blue, if a pupil is selected from the class to pick a pen at random, find the probability that a pen picked is red.

17. Given that set $A = \{1, 2, 3\}$. List all proper subsets of set A

18. Find the square root of $11\frac{1}{9}$

19. Using a pair of compasses and a ruler, construct 135° in the space provided below

20. Find the distance around the figure below with radius 14cm (use $\pi = \frac{22}{7}$)



SECTION B

21. Work out:

a)

| Hrs | min |
|-------|-----|
| 6 | 43 |
| + 3 | 27 |
| <hr/> | |
| <hr/> | |

b)

| Weeks | days |
|-------|------|
| 5 | 3 |
| - 3 | 5 |
| <hr/> | |
| <hr/> | |

2 Marks@

22. (a). work out $\frac{0.8 \times 0.4}{0.1 + 0.3}$

3 Marks

b) Change 0.1666.....to a common fraction

2 Marks



23. The exchange rates for Kenya shillings (Ksh) and pound sterling (£) are shown below.

Ksh. 1 = Ugsh. 28

£ 1 = Ugsh. 3600

(a). How many Kenya shillings can one get with Ugsh. 126,000

2 Marks

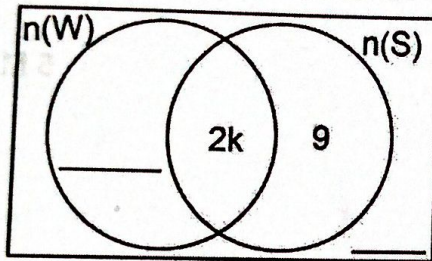
b) Bwengye bought a watch at £.140. how much is this in Kenya shillings

3 Marks

24. At a baby shower party. 7 people took water (W) only, some took soda (S), 2k took both drinks and K+3 took other drinks

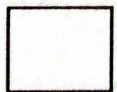
(a) Complete the venn-diagram below

2 Marks



(b) If 29 pupils took soda, find the value of K

2 Marks



25. John, Jane and Esther shared money in the ratio of 7:13:15 respectively. If Esther got sh.32000 more than John.

(a) How much money did they share altogether?

3 Marks

(b) Find the amount of money Jane got?

2 Marks

26. a) Solve: $2(2m+4) - 2(m-2)=6$

3 Marks

b) Keneth is twice as old as Ketty. In 10years time their total age will be 50 years.
How old is Ketty?

3 Marks

27. (a). Using a ruler , a pencil and a pair of compasses, construct a parallelogram WXYZ
where $WX = 7\text{cm}$ $XY=4\text{cm}$ and angle $WXY=120^\circ$
Drop a perpendicular line from Z to meet wx at P

5 Marks

b) Measure ZP

1 Mark

28. A motorcycle uses 30 litres of diesel to cover 160km.

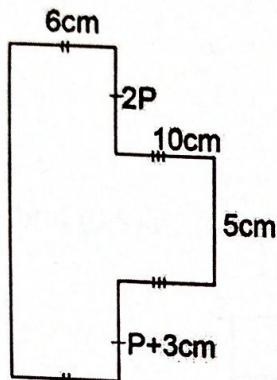
(a). How many litres are required to cover 320km?

2 Marks

- (b). If one litre costs sh. 5,500, how many kilometer can one cover if sh. 49,500 is used to buy diesel.

3 Marks

29. Study the combined figure below and answer the questions about it.



(a). Find the value of P

2 Marks

(b) Find the total distance around the shape

3 Marks

30. Kandole bought a sack of ground nuts of 60kgs at sh. 6000 each kg. he packed the groundnuts in 300gm packets.

(a). How many packets did he get?

2 Marks

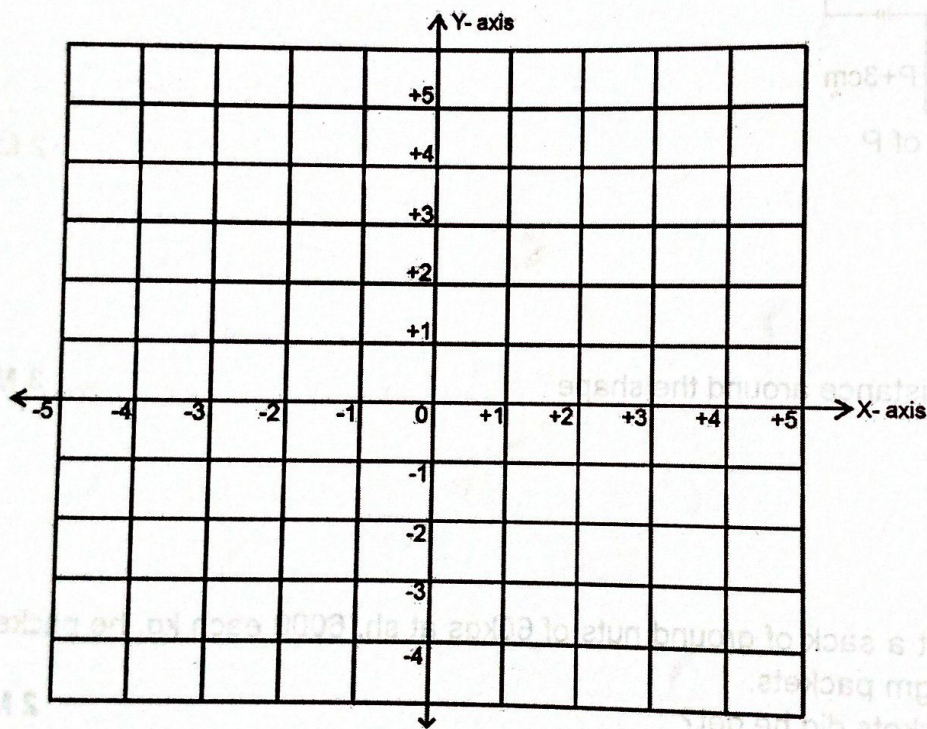
(b). If he sold each packet at sh.2000, how much profit did he make after selling all the packets?

3 Marks

31. Two men are to report to the police station at regular intervals of 8 days and 10 days respectively.
- (a). After how long will they report together again? 2 Marks

- (b). If they report together at once on Friday, on which day of the week will they report together again? 2 Marks

32. Plot the following co-ordinate on the grid below A(-2,4), B(2,4), C(2,0) and -2, -3) 4 Marks



- (a) Join A to B, B to C, C to D and D to A

1 Mark

- (b) Name the quadrilateral formed after joining the points

1 Mark